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Inspection of

Commercial Feeding Stuffs

July 1, 1957 – June 30, 1958



HAWAII AGRICULTURAL EXPERIMENT STATION  
UNIVERSITY OF HAWAII

*in cooperation with the*  
BOARD OF COMMISSIONERS OF AGRICULTURE AND FORESTRY  
TERRITORY OF HAWAII

**ON THE COVER:** Setting up a battery of Soxhlet  
extractors for the determination of crude fat.

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## INSPECTION OF COMMERCIAL FEEDING STUFFS

Yoshihiko Kawano, Hiromu Matsumoto, and Frank Kitamura<sup>1</sup>

### INTRODUCTION

The Territory of Hawaii Feeding Stuff Law is administered by the Board of Commissioners of Agriculture and Forestry. The University of Hawaii through the Hawaii Agricultural Experiment Station cooperates in the analysis of samples collected by the Board.

The Division of Entomology and Marketing of the Board of Commissioners of Agriculture and Forestry is responsible for the enforcement of the regulatory measures covering commercial mixed feeds and simple feeding stuffs. Registration of brands, inspections, and sampling at wholesale, retail, and feeder levels are performed by the personnel of this division.

Any type or brand of mixed feeding stuffs offered for sale must be registered with the Board of Agriculture and Forestry. The label of a mixed feed must show a brand name, net weight, name and address of the manufacturer or of the person responsible for placing the brand on the market, minimum percentages of crude protein and crude fat, maximum percentages of crude fiber and ash, name of each ingredient, and directions for use, when necessary.

Application for registration of any mixed feed is checked by the Board before a certificate of registration is issued. A registration fee of \$10.00 per brand per year is assessed. In addition, an inspection fee of 10 cents per ton is collected for each ton sold in the Territory to defray the cost of administering the feed control program.

The law is primarily a correct labeling act. It must not be assumed by the consumer that every brand which meets the manufacturer's guarantee is a high-grade feed. The nutritional value of commercial feeding stuffs varies with the ingredients used. This report is not concerned with the type or nutritive quality of the feeds. This bulletin is a summary of analyses of commercial feeding stuffs inspected during the fiscal year 1957-58.

All inquiries concerning the law and the registration of feeding stuffs should be addressed to the Division of Entomology and Marketing, Board of Agriculture and Forestry, Honolulu 14, Hawaii.

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## EXPLANATION OF TERMS USED IN REPORTING CHEMICAL ANALYSIS OF FEEDING STUFFS

All analyses are made, as specified by law, by the methods of the Association of Official Agricultural Chemists.

Crude Protein is a collective term used to designate the nitrogenous constituents of plant and animal products in feed stuff. The value is obtained by multiplying the percentage of total nitrogen by 6.25. For the milk product, the protein value is obtained by multiplying the percentage of total nitrogen by 6.38. Urea and ammonium salts are acceptable ingredients in ruminant (cattle, sheep, and goat) feeds. Specific methods are used for their determination when these compounds are used.

Crude Fat is the ether-soluble material extracted from a moisture-free sample. This consists largely of fats and oils with smaller amounts of nonfat materials.

Crude Fiber is composed of cellulose and related compounds. It is determined by its insolubility in acid and alkali.

Ash is the noncombustible part of the feeding stuff. It is the mineral matter of a feed.

## INSPECTION OF COMMERCIAL FEEDING STUFFS

Table 1 shows a tabulation of the number of samples analyzed per year for the last 10 years and the number of samples and feed components which failed to meet the manufacturer's guarantee. The record for last year was bad. There were 102 samples out of 607 which failed to meet the manufacturer's guarantee in one or more constituents of the feed. This represented 16.8 percent failures, the second highest incidence since the feed law was enacted in 1945. Of the four components of feeds, which are normally analyzed, three showed marked increase in the percentage of below guarantee values over the percentages of previous years. The most noticeable increase in failure was in fiber. A fivefold increase over the average for the past nine years was an all-time high. The number of samples in which fat was below guarantee followed the trend reported last year. There has been a gradual increase in the number of deficiencies of this constituent in recent years. The 3.5 percent of last year also represents an all-time high for fat not being up to the manufacturer's guarantee. The 4.8 percent of samples containing ash in excess of guaranteed maximum was the highest in seven years. The percentage of protein deficiency was near the average for the previous years.

The record of inspection of the 1957-58 series is shown in Table 2. Twenty-five companies registered 265 brands of which 168 were poultry feeds, 81 cattle and swine, 15 miscellaneous, and 1 mineral feed. During this period, 607 samples were analyzed, of which 400 were poultry and rabbit feeds, 170 cattle and swine, 36 miscellaneous, and 1 mineral feed. There were 67 samples of poultry and rabbit feeds, 34 in cattle and swine feeds, and 1 miscellaneous feed which failed to meet the manufacturer's guarantee in one or more of the constituents analyzed.

The names of the registrant, product, and analysis of each sample are stated with the manufacturer's guarantee. Analytical values, 0.5 percent or more below guarantee in protein and crude fat content, and 0.5 percent or more than the guarantee in fiber and ash, are indicated by an underline.

TABLE 1. NUMBER OF SAMPLES AND COMPONENTS WHICH FAILED TO MEET THE MANUFACTURER'S GUARANTEE\*

Year	No. of Samples Analyzed	Samples Failed to Meet Guarantee		Protein Below Guarantee		Fat Below Guarantee		Fiber in Excess of Guarantee		Ash in Excess of Guarantee	
		No.	Percent	No.	Percent	No.	Percent	No.	Percent	No.	Percent
1957-1958	607	102	16.8	51	8.3	23	3.5	19	3.1	29	4.8
1956-1957	474	49	10.3	30	6.3	12	2.5	1	0.2	14	3.0
1955-1956	449	77	17.2	46	10.2	16	3.6	5	1.1	18	4.0
1954-1955	627	70	11.2	44	7.0	8	1.3	4	0.6	21	3.3
1953-1954	623	50	8.0	24	13.9	3	0.5	4	0.6	20	3.2
1952-1953	618	103	16.7	79	12.8	7	1.1	7	1.1	22	3.6
1951-1952	569	58	10.2	37	6.5	1	0.2	1	0.2	25	4.4
1950-1951	629	78	12.4	54	8.6	1	0.2	2	0.3	32	5.1
1949-1950	504	54	10.7	32	6.5	1	0.2	5	1.0	18	3.6
1948-1949	526	55	10.5	43	8.2	5	1.0	8	1.5	13	2.5

\* The total of the individual components (protein, fat, fiber, and ash) is greater than the number of samples not meeting the guarantee. This is because there were instances of single samples failing to meet the guarantee in more than one component.

TABLE 2. ANALYSIS OF COMMERCIAL FEEDING STUFFS SAMPLED  
FROM JULY 1957 TO JUNE 1958

Determinations 0.5 percent or more below manufacturer's guarantee in protein and fat, and 0.5 percent or more in excess of guarantee in crude fiber and ash are indicated by an underline.

Manufacturer and Brand Name	G* F*	Percent Composition			
		Protein	Fat	Fiber	Ash
POULTRY FEEDS					
<u>Albers Milling Company</u> <u>Los Angeles, California</u>					
Albers Broiler Finisher, Medicated	G	17.00	4.00	4.00	8.00
	F	<u>16.32</u>	5.39	3.50	6.35
Albers Broiler Finisher, Medicated	G	17.00	4.00	4.00	8.00
	F	17.08	4.89	2.83	6.99
Albers Broiler Finisher, Medicated	G	18.00	7.00	4.00	7.00
	F	19.18	<u>5.81</u>	3.07	6.20
Albers Broiler Finisher, Medicated	G	19.00	6.00	4.00	7.00
	F	19.51	6.52	3.69	6.57
Albers Broiler Ration, Medicated	G	21.00	5.00	4.00	7.00
	F	20.93	5.47	4.06	6.33
Albers Broiler Starter, Medicated	G	24.00	7.00	3.50	7.00
	F	<u>22.60</u>	7.14	3.57	7.20
Albers Broiler Starter, Medicated	G	24.00	7.00	3.50	7.00
	F	<u>18.97</u>	6.71	2.48	<u>8.04</u>
Albers Broiler Starter, Medicated	G	24.00	7.00	3.50	7.00
	F	<u>18.94</u>	6.67	2.95	<u>8.20</u>
Albers Broiler Starter, Medicated	G	24.00	7.00	3.50	7.00
	F	25.05	7.76	3.28	<u>7.55</u>
Albers Broiler Starter, Medicated	G	24.00	7.00	3.50	7.00
	F	26.16	<u>4.90</u>	3.51	<u>7.99</u>
Albers Broiler Starter, Medicated	G	24.00	7.00	3.50	7.00
	F	26.44	<u>5.13</u>	3.15	<u>9.14</u>
Albers Cage Laying Ration	G	17.00	4.00	6.00	11.00
	F	17.89	4.38	3.88	9.39
Albers Cage Queen with 4% Granite Grit	G	16.00	3.50	7.00	15.00
	F	17.09	4.76	7.35	13.05
Albers Cage Queen with 4% Granite Grit	G	16.00	3.50	7.00	15.00
	F	17.44	4.53	6.83	15.17
Albers Chick Starter Medicated	G	20.00	4.50	5.00	9.00
	F	20.65	4.95	4.59	7.78
Albers Chick Starter Medicated	G	20.00	4.50	5.00	9.00
	F	21.74	5.17	3.43	7.28
Albers Chick Starter Medicated	G	20.00	4.50	5.00	9.00
	F	21.20	4.87	4.02	8.82

\* G = guarantee; F = found

Manufacturer and Brand Name	G* F*	Percent Composition			
		Protein	Fat	Fiber	Ash
Albers Chick Starter Medicated	G	20.00	4.50	5.00	9.00
	F	20.88	4.94	4.21	7.63
Albers Crowd	G	20.00	3.50	7.50	7.50
	F	21.20	3.42	6.98	6.79
Albers Crowd	G	20.00	3.50	7.50	7.50
	F	21.38	3.99	6.45	5.19
Albers Crowd	G	20.00	3.50	7.50	7.50
	F	21.29	3.33	6.24	6.64
Albers Crowd	G	20.00	3.50	7.50	7.50
	F	22.05	3.26	6.48	6.75
Albers Egg Maker 16 with 2% Granite Grit	G	16.00	3.50	6.00	12.00
	F	16.52	5.07	5.01	10.96
Albers Egg Maker 16 with 2% Granite Grit	G	16.00	3.50	6.00	12.00
	F	17.57	4.89	5.83	9.85
Albers Egg Maker 16 with 2% Granite Grit	G	16.00	4.50	6.00	12.00
	F	<u>14.81</u>	4.41	5.03	8.99
Albers Egg Maker 16 with 2% Granite Grit	G	16.00	4.50	6.00	12.00
	F	16.40	4.21	4.98	9.92
Albers Egg Maker 20	G	20.00	4.00	7.00	11.00
	F	22.09	4.57	6.11	10.28
Albers Egg Maker 20	G	20.00	4.00	7.00	11.00
	F	<u>19.20</u>	4.68	5.59	8.82
Albers Fitting Ration	G	14.00	2.50	12.00	10.00
	F	15.68	4.14	9.04	9.20
Albers Fitting Ration	G	14.00	2.50	12.00	10.00
	F	16.63	4.12	8.87	7.74
Albers Grow Queen with 4% Granite Grit	G	16.00	3.50	7.00	13.00
	F	16.43	4.73	6.50	11.93
Albers Hawaiian Cage Laying Ration with 2% Granite Grit	G	16.00	3.00	7.00	17.00
	F	18.97	4.15	6.04	10.83
Albers Laxive	G	18.00	6.00	8.00	9.00
	F	18.99	8.51	6.40	7.54
Albers Laxive	G	18.00	6.00	8.00	9.00
	F	19.23	7.66	5.77	8.18
Albers Laxive	G	18.00	6.00	8.00	9.00
	F	<u>17.47</u>	7.32	6.61	7.50
Albers Korect, Medicated	G	24.00	5.00	4.50	10.00
	F	24.11	6.54	4.04	9.79
Albers Korect, Medicated	G	24.00	5.00	4.50	10.00
	F	23.83	4.78	3.44	9.13
Albers Korect, Medicated	G	24.00	5.00	4.50	10.00
	F	24.69	5.29	3.52	8.52
Albers Korect, Medicated	G	24.00	5.00	4.50	10.00
	F	23.83	6.49	3.74	9.65

\* G = guarantee; F = found

Manufacturer and Brand Name	G*	Percent Composition			
	F*	Protein	Fat	Fiber	Ash
Albers Korect, Medicated	G	24.00	5.00	4.50	10.00
	F	24.69	5.79	3.52	8.99
Albers Korect, Medicated	G	24.00	5.00	4.50	10.00
	F	24.60	5.78	4.15	9.37
Albers Korect, Medicated	G	24.00	5.00	4.50	10.00
	F	25.27	4.77	3.50	9.31
Albers Pigeon Feed	G	12.00	3.00	3.00	3.00
	F	13.15	2.71	2.45	1.76
Albers Pigeon Feed	G	12.00	3.00	3.00	3.00
	F	14.26	<u>2.24</u>	2.58	1.91
Albers Pigeon Feed	G	12.00	3.00	3.00	3.00
	F	15.23	<u>2.01</u>	2.65	1.87
Albers Pigeon Feed	G	12.00	3.00	3.00	3.00
	F	14.30	3.09	2.99	1.93
Albers Poultry Breeder 17 with 2% Granite Grit	G	17.00	4.00	6.00	12.00
	F	18.71	4.62	<u>6.52</u>	10.32
Albers Poultry Breeder 17 with 2% Granite Grit	G	17.00	4.00	6.00	12.00
	F	18.43	5.37	5.51	10.96
Albers Poultry Breeder 17 with 2% Granite Grit	G	17.00	4.00	6.00	12.00
	F	18.55	4.43	5.15	10.49
Albers Poultry Wormer	G	20.00	4.00	5.00	11.00
	F	21.18	5.32	3.70	7.66
Albers Progressive Scratch	G	10.00	3.00	3.00	3.00
	F	10.35	3.10	1.94	1.55
Albers Pullet Maker with 2% Granite Grit, Medicated	G	17.00	4.00	7.00	10.00
	F	17.85	4.14	6.21	9.00
Albers Pullet Maker with 2% Granite Grit, Medicated	G	17.00	4.00	7.00	10.00
	F	17.27	4.53	5.25	9.31
Albers Pullet Maker with 2% Granite Grit, Medicated	G	17.00	4.00	7.00	10.00
	F	18.07	4.94	6.01	10.36
Albers Pullet Maker with 2% Granite Grit, Medicated	G	17.00	4.00	7.00	10.00
	F	17.45	4.57	5.18	<u>11.42</u>
Albers Pullet Maker with 2% Granite Grit, Medicated	G	17.00	4.00	7.00	10.00
	F	<u>16.46</u>	4.17	4.96	10.48
Albers Pullet Maker with 2% Granite Grit, Medicated	G	17.00	4.00	7.00	10.00
	F	17.30	4.42	5.48	8.71
Albers Scratch Feed	G	9.00	2.50	4.00	3.00
	F	9.68	3.07	1.95	1.45
Albers Scratch Feed	G	9.00	2.50	4.00	3.00
	F	9.12	3.00	2.24	2.00
Albers Scratch Feed	G	9.00	2.50	4.00	3.00
	F	9.48	4.15	2.02	1.28
Albers Scratch Feed	G	9.00	2.50	4.00	3.00
	F	9.84	3.14	1.89	1.43

\* G = guarantee; F = found

Manufacturer and Brand Name	G* F*	Percent Composition			
		Protein	Fat	Fiber	Ash
Albers Selfade	G	21.00	4.50	5.00	11.00
	F	25.77	5.35	4.57	9.55
Albers Selfade	G	21.00	4.50	5.00	11.00
	F	22.18	5.33	4.23	7.25
Albers Selfade	G	21.00	4.50	5.00	11.00
	F	21.51	4.44	3.83	7.81
Albers Similene 17 with 2% Granite Grit, contains 50 Grams per ton oxytetracycline hydrochloride equivalent.	G	17.00	4.00	5.50	12.00
	F	17.45	4.44	5.05	11.47
Albers Similene 20, Medicated	G	20.00	4.00	5.50	12.00
	F	21.29	3.95	4.44	11.77
Albers Similene 20, Medicated	G	20.00	4.00	6.00	10.00
	F	20.97	4.07	4.84	10.02
Albers Trip-L-Duty	G	16.00	4.00	6.00	10.00
	F	17.00	4.31	5.42	8.30
Albers Trip-L-Duty	G	16.00	4.00	6.00	10.00
	F	17.35	4.58	5.73	8.07
Albers Trip-L-Duty	G	16.00	4.00	6.00	10.00
	F	17.27	4.27	5.20	8.61
Albers Trip-L-Duty	G	16.00	4.00	6.00	10.00
	F	16.64	4.17	5.14	9.16
Albers Trip-L-Duty	G	16.00	4.00	6.00	10.00
	F	15.81	4.27	5.22	7.79
Albers Turkey Grower	G	21.00	4.00	8.50	11.00
	F	20.99	5.15	9.00	11.18
Albers Turkey Grower	G	21.00	4.00	8.50	11.00
	F	21.74	3.68	7.20	11.26
Albers Turkey Starter	G	28.00	4.00	5.00	10.00
	F	26.88	4.61	4.64	8.47
Albers Turkey Starter	G	28.00	4.00	5.00	10.00
	F	27.08	4.91	4.37	8.79
Albers Turkey Starter	G	28.00	4.00	5.00	10.00
	F	26.72	4.23	4.03	9.11
<u>V. C. Britton Company</u>					
<u>Firebaugh, California</u>					
Firebaugh Dehydrated Alfalfa Reground Pellet Leafules with Animal Fat Added. Stability Increased with Butylated Hydroxyanisole	G	20.00	4.00	20.00	10.00
	F	20.67	5.12	18.78	8.56
<u>Buckerfield's, Ltd.</u>					
<u>Vancouver, Canada</u>					
Pelleted Ground Degerminated Refuse Screenings and Mollases	G	10.00	5.00	20.00	10.00
	F	12.58	6.37	15.76	8.02

\* G = guarantee; F = found

Manufacturer and Brand Name	G*	Percent Composition			
	F*	Protein	Fat	Fiber	Ash
<u>California Milling Corporation</u> <u>Los Angeles, California</u>					
Ace-Hi All Age Mash, An All Purpose Feed	G	17.00	3.50	6.00	10.00
	F	18.04	3.56	3.85	8.26
Ace-Hi All Age Mash, An All Purpose Feed	G	17.00	3.50	6.00	10.00
	F	17.14	4.15	3.94	7.65
Ace-Hi All Age Mash, An All Purpose Feed	G	17.00	3.50	6.00	10.00
	F	17.27	4.04	4.57	6.89
Ace-Hi All Age Mash, An All Purpose Feed	G	17.00	3.50	6.00	10.00
	F	17.44	3.04	4.19	8.31
Ace-Hi All Age Mash, An All Purpose Feed	G	17.00	3.50	6.00	10.00
	F	17.08	4.85	4.66	8.07
Ace-Hi All Purpose Mash	G	16.00	3.50	6.00	10.00
	F	16.47	3.33	5.06	7.28
Ace-Hi All Purpose Mash	G	16.00	3.50	6.00	10.00
	F	16.06	3.15	5.51	5.58
Ace-Hi All Purpose Mash	G	16.00	3.50	6.00	10.00
	F	15.92	3.10	4.55	7.79
Ace-Hi Baby Chick Scratch Gritless	G	10.00	2.50	3.00	3.00
	F	10.63	1.70	1.64	1.29
Ace-Hi Baby Chick Scratch Gritless	G	10.00	2.50	3.00	3.00
	F	11.09	2.63	1.82	1.49
Ace-Hi Big Egg Kracketts with 3% Oyster Shell	G	16.00	3.00	6.00	10.00
	F	18.80	3.85	4.25	8.72
Ace-Hi Broiler & Fryer Kracketts	G	20.00	3.50	6.00	9.00
	F	20.70	4.89	5.62	5.85
Ace-Hi Broiler & Fryer Kracketts	G	20.00	3.50	6.00	9.00
	F	21.03	5.08	4.99	5.98
Ace-Hi Broiler & Fryer Kracketts	G	20.00	3.50	6.00	9.00
	F	21.11	4.77	3.69	6.36
Ace-Hi Broiler & Fryer Kracketts	G	20.00	3.50	6.00	9.00
	F	20.68	5.20	4.05	6.19
Ace-Hi Broiler & Fryer Mash	G	20.00	3.50	6.00	9.00
	F	20.85	4.34	4.31	6.31
Ace-Hi Cage Lay Kracketts with 3% Oyster Shell Meal	G	18.00	3.00	6.00	10.00
	F	19.41	4.37	5.38	8.89
Ace-Hi Cage Lay Kracketts with 3% Oyster Shell Meal	G	18.00	3.00	6.00	10.00
	F	19.50	3.81	4.85	8.42
Ace-Hi Cage Lay Kracketts with 3% Oyster Shell Meal	G	18.00	3.00	6.00	10.00
	F	19.96	6.00	5.70	10.19
Ace-Hi Cage Lay Mash with 2% Grit and 2% Oyster Shell	G	18.00	3.00	6.00	12.00
	F	19.18	3.73	5.09	10.20

\* G = guarantee; F = found

Manufacturer and Brand Name	G*	Percent Composition			
	F*	Protein	Fat	Fiber	Ash
Ace-Hi Cage Lay Mash with 2% Grit and 2% Oyster Shell	G	18.00	3.00	6.00	12.00
	F	19.77	3.62	4.64	9.51
Ace-Hi Complete Cage and Wire Mash with 3% Oyster Shell and 3% Granite Grit	G	16.00	2.50	7.00	14.00
	F	17.18	3.16	7.31	13.70
Ace-Hi 50-50 Scratch Feed	G	10.00	2.50	3.00	3.00
	F	10.82	2.51	1.85	1.35
Ace-Hi 50-50 Scratch Feed	G	10.00	2.50	3.00	3.00
	F	10.20	2.58	1.96	1.22
Ace-Hi 50-50 Scratch Feed	G	10.00	2.50	3.00	3.00
	F	10.96	2.43	1.94	1.25
Ace-Hi 50-50 Scratch Feed	G	10.00	2.50	3.00	3.00
	F	12.05	2.02	3.88	1.32
Ace-Hi Layer Scratch Feed	G	10.00	2.50	3.00	3.00
	F	12.06	3.08	2.85	1.50
Ace-Hi Laying Mash	G	20.00	3.50	6.00	10.00
	F	19.94	4.08	4.55	9.12
Ace-Hi Laying Mash	G	20.00	3.50	6.00	10.00
	F	20.04	4.07	4.95	8.56
Ace-Hi Laying Mash	G	20.00	3.50	6.00	10.00
	F	20.67	3.64	4.84	8.47
Ace-Hi Laying Mash	G	20.00	3.50	6.00	10.00
	F	20.66	4.02	5.16	8.31
Ace-Hi Laying Mash	G	20.00	3.50	6.00	10.00
	F	20.50	4.29	5.15	7.40
Ace-Hi Pigeon Feed	G	11.00	2.00	4.00	3.00
	F	13.96	2.10	3.08	1.90
Ace-Hi Pigeon Feed	G	11.00	2.00	4.00	3.00
	F	13.87	2.14	3.31	2.04
Ace-Hi Primer Kracketts	G	16.00	3.50	5.00	8.00
	F	18.99	3.73	4.15	6.63
Ace-Hi Primer Kracketts	G	16.00	3.50	5.00	8.00
	F	17.27	4.00	4.77	6.08
Ace-Hi Primer Kracketts	G	16.00	3.50	5.00	8.00
	F	17.98	4.08	4.12	5.85
Ace-Hi Primer Kracketts	G	16.00	3.50	5.00	8.00
	F	17.35	5.17	3.91	5.83
Ace-Hi Pullet Growing Mash (A Complete Feed)	G	17.00	4.00	6.00	9.00
	F	18.23	3.82	6.12	8.15
Ace-Hi Pullet Growing Mash (A Complete Feed)	G	17.00	4.00	6.00	9.00
	F	18.07	4.53	6.20	8.94
Ace-Hi Pullet Growing Mash (A Complete Feed)	G	17.00	4.00	6.00	9.00
	F	18.07	3.72	6.02	7.64
Ace-Hi Pullet Growing Mash (A Complete Feed)	G	17.00	4.00	6.00	9.00
	F	18.25	3.84	5.68	7.64

\* G = guarantee; F = found



Manufacturer and Brand Name	G*	Percent Composition			
	F*	Protein	Fat	Fiber	Ash
Ace-Hi Pullet Growing Mash (A Complete Feed)	G	17.00	4.00	6.00	9.00
	F	18.34	4.34	5.72	7.03
Ace-Hi Pullet Starter Kracketts	G	21.00	5.00	5.00	9.00
	F	21.31	4.72	4.35	6.93
Ace-Hi Pullet Starter Mash	G	21.00	5.00	5.00	9.00
	F	22.03	5.59	3.68	7.95
Ace-Hi Pullet Starter Mash	G	21.00	5.00	5.00	9.00
	F	21.20	5.82	4.62	7.07
Ace-Hi Pullet Starter Mash	G	21.00	5.00	5.00	9.00
	F	22.10	5.03	4.22	7.91
Ace-Hi Pullet Starter Mash	G	21.00	5.00	5.00	9.00
	F	22.81	5.96	4.34	8.34
Ace-Hi Pullet Starter Mash	G	21.00	5.00	5.00	9.00
	F	22.76	5.01	4.22	7.76
Ace-Hi's Sulfaquinoxaline Mixture in Ace-Hi Quik Gro Mash	G	23.00	5.00	5.00	9.00
	F	<u>21.75</u>	5.32	3.50	6.15
Ace-Hi's Sulfaquinoxaline Mixture in Ace-Hi Quik Gro Mash	G	23.00	5.00	5.00	9.00
	F	23.04	5.21	3.51	6.30
Ace-Hi's Sulfaquinoxaline Mixture in Ace-Hi Quik Gro Mash	G	23.00	5.00	5.00	9.00
	F	<u>21.34</u>	4.78	3.69	7.22
Ace-Hi's Sulfaquinoxaline Mixture in Ace-Hi Quik Gro Mash	G	23.00	5.00	5.00	9.00
	F	24.87	5.45	3.43	6.78
Ace-Hi's Sulfaquinoxaline Mixture in Ace-Hi Quik Gro Mash	G	23.00	5.00	5.00	9.00
	F	25.62	5.24	3.84	7.09
Ace-Hi 300 G Kracketts	G	22.00	3.50	6.00	12.00
	F	24.02	4.36	4.78	9.03
Ace-Hi 300 G Kracketts	G	22.00	3.50	6.00	12.00
	F	22.10	4.54	5.13	7.87
Ace-Hi 300 G Kracketts	G	22.00	3.50	6.00	12.00
	F	22.10	4.25	4.69	7.72
Ace-Hi 300 G Kracketts	G	22.00	3.50	6.00	12.00
	F	22.21	4.80	4.95	8.12
Ace-Hi Vitatone Conditioner Kracketts (for Poultry and Turkeys)	G	20.00	3.50	7.00	11.00
	F	21.11	4.24	4.25	10.05
Ace-Hi Vitatone Conditioner Kracketts (for Poultry and Turkeys)	G	20.00	3.50	7.00	11.00
	F	<u>18.78</u>	3.78	3.97	8.22
Ace-Hi Vitatone Conditioner Kracketts	G	20.00	3.50	7.00	11.00
	F	20.68	5.74	4.25	10.71
Big Egg Kracketts with 3% Oyster Shell	G	16.00	3.00	6.00	10.00
	F	17.54	3.99	5.93	8.30
Big Egg Kracketts with 3% Oyster Shell	G	16.00	3.00	6.00	10.00
	F	17.89	3.58	5.86	8.13
Big Egg Kracketts with 3% Oyster Shell	G	16.00	3.00	6.00	10.00
	F	18.43	4.42	6.06	8.81

\* G = guarantee; F = found

Manufacturer and Brand Name	G*	Percent Composition			
		Protein	Fat	Fiber	Ash
Big Egg Kracketts with 3% Oyster Shell	G	16.00	3.00	6.00	10.00
	F	17.26	4.57	5.27	8.30
Big Feeder Mash	G	16.00	3.00	6.00	12.00
	F	16.90	4.56	4.37	10.34
Chopped Alfalfa Supplement	G	10.00	1.50	30.00	9.00
	F	11.18	1.47	<u>35.46</u>	7.33

Centennial Mills, Inc.  
Seattle, Washington

Centennial Du-All Poultry Feed	G	16.50	5.00	7.00	10.00
	F	17.80	6.60	5.95	10.39
Centennial Economy Scratch	G	9.00	2.00	4.00	2.00
	F	9.78	2.61	2.68	1.60
Centennial Economy Scratch	G	9.00	2.00	4.00	2.00
	F	9.30	3.53	2.67	1.48
Centennial Hen Scratch	G	9.00	2.00	4.00	2.00
	F	9.49	3.21	2.02	1.34
Centennial Hen Scratch	G	9.00	2.00	4.00	2.00
	F	8.85	2.93	1.70	1.28
Centennial Hen Scratch	G	9.00	2.00	4.00	2.00
	F	8.95	3.40	1.72	1.34

Dairymen's Association, Ltd.  
Honolulu, Hawaii

Cage Egg Mash with Oyster Shell and Grit	G	15.00	3.00	9.00	10.00
	F	17.47	3.95	6.33	8.88
Cage Egg Mash with Oyster Shell and Grit	G	15.00	3.00	9.00	10.00
	F	17.54	3.89	6.40	8.27
Cage Egg Mash with Oyster Shell and Grit	G	15.00	3.00	9.00	10.00
	F	16.82	3.03	5.66	8.65
Cage Egg Mash with Oyster Shell and Grit	G	15.00	3.00	9.00	10.00
	F	16.13	3.20	7.83	9.38

Fisher Flouring Mills Company  
Seattle, Washington

Fisher's All-Age Mash, A Complete Poultry Feed	G	17.00	3.50	7.00	8.00
	F	18.33	4.16	<u>7.62</u>	6.36
Fisher's All-Age Mash, A Complete Poultry Feed	G	17.00	3.50	7.00	8.00
	F	18.07	3.95	6.41	6.49
Fisher's All-Age Mash, A Complete Poultry Feed	G	17.00	3.50	7.00	8.00
	F	17.36	3.75	5.88	6.68
Fisher's All-Age Mash, A Complete Poultry Feed	G	17.00	3.50	7.00	8.00
	F	17.83	4.20	7.45	6.21
Fisher's Broiler Finisher Krumbles, Nicarbazin Mixture 0.0125%	G	16.00	5.50	4.00	7.00
	F	16.71	<u>4.73</u>	3.48	5.72

\* G = guarantee; F = found

Manufacturer and Brand Name	G* F*	Percent Composition			
		Protein	Fat	Fiber	Ash
Fisher's Broiler Finisher Krumbles, Nicarbazin Mixture 0.0125%	G F	16.00 16.19	5.50 5.65	4.00 3.23	7.00 4.99
Fisher's Broiler Finisher Krumbles, Nicarbazin Mixture 0.0125%	G F	16.00 16.76	5.50 <u>4.20</u>	4.00 3.07	7.00 5.30
Fisher's Commercial Broiler and Starter Krumbles, Nicarbazin Mixture 0.0125%	G F	21.00 21.32	5.50 5.09	3.50 2.95	9.00 6.06
Fisher's Commercial Broiler and Starter Krumbles, Nicarbazin Mixture 0.0125%	G F	21.00 <u>19.45</u>	5.50 5.32	3.50 2.96	9.00 5.55
Fisher's Commercial Broiler and Starter Krumbles, Nicarbazin Mixture 0.0125%	G F	21.00 20.54	5.50 <u>4.15</u>	3.50 2.86	9.00 5.79
Fisher's Commercial Broiler and Starter Krumbles, Nicarbazin Mixture 0.0125%	G F	21.00 20.85	5.50 <u>4.81</u>	3.50 3.10	9.00 6.65
Fisher's Complete All-Age Krumbles	G F	17.00 18.07	3.50 3.95	7.00 6.41	8.00 6.49
Fisher's Developer Complete, Medicated	G F	15.50 16.36	3.50 4.76	5.00 5.20	6.50 6.64
Fisher's Developing Krumbles, Sulfaquinoxaline 0.0155%	G F	16.00 16.19	3.50 4.26	8.00 6.43	9.00 6.95
Fisher's Developing Mash with Sulfaquinoxaline 0.0155%	G F	16.00 16.58	3.50 3.67	8.00 6.75	9.00 6.73
Fisher's Developing Mash, Sulfaquinoxaline Mixture	G F	16.00 17.38	3.50 3.94	8.00 6.90	9.00 7.45
Fisher's Developing Mash, Sulfaquinoxaline Mixture	G F	16.00 15.89	3.50 3.92	8.00 6.59	9.00 6.58
Fisher's Developing Mash, Sulfaquinoxaline Mixture	G F	16.00 16.22	3.50 3.87	8.00 7.33	9.00 7.36
Fisher's Egg Producer Complete, Krumbles High Energy	G F	17.00 18.14	4.00 4.30	7.00 6.00	8.00 7.18
Fisher's Egg Producer Complete, Krumbles High Energy	G F	17.00 18.52	4.00 4.19	7.00 5.32	8.00 6.86
Fisher's Egg Producer Complete, Krumbles High Energy	G F	17.00 18.19	4.00 3.74	7.00 3.57	8.00 7.11
Fisher's Egg Producer Complete, Krumbles High Energy	G F	17.00 18.61	4.00 4.15	7.00 5.83	8.00 6.99
Fisher's Egg Producer, Pellets	G F	20.00 20.37	3.50 3.83	8.00 6.05	10.00 8.28
Fisher's Egg Producer, Pellets	G F	20.00 20.75	3.50 <u>4.57</u>	8.00 6.30	10.00 7.55
Fisher's Egg Producer, Pellets	G F	20.00 20.22	3.50 4.17	8.00 5.97	10.00 7.75
Fisher's Egg Producer, Pellets	G F	20.00 20.22	3.50 4.05	8.00 6.63	10.00 7.74

\* G = guarantee; F = found

Manufacturer and Brand Name	G* F*	Percent Composition			
		Protein	Fat	Fiber	Ash
Fisher's High Level Antibiotic Mix Incorp. in Fisher's Terra-Medicated Krumbles	G	20.00	3.50	8.00	10.00
	F	<u>18.84</u>	4.52	4.38	6.44
Fisher's Laymor Complete Krumbles Complete Cage Layer and All Laying Mash	G	16.00	3.00	8.00	9.00
	F	17.18	4.39	6.23	6.00
Fisher's Laymor Complete Krumbles Complete Cage Layer and All Laying Mash	G	17.00	4.00	6.00	8.00
	F	16.67	4.08	5.70	6.55
Fisher's Laymor Complete Krumbles Complete Cage Layer and All Laying Mash	G	17.00	4.00	6.00	8.00
	F	17.80	4.81	5.46	6.52
Fisher's Nicarbazin Mixture 0.0125% Save- time Chick Mash	G	18.00	3.50	7.00	8.00
	F	19.00	4.13	6.63	6.29
Fisher's Savetime Chick Krumbles, Medicated	G	18.00	3.50	7.00	8.00
	F	18.61	5.31	5.24	6.28
Fisher's Savetime Chick Krumbles, Fisher's Nicarbazin Mixture 0.0125%	G	18.00	3.50	7.00	8.00
	F	19.95	4.05	6.22	7.29
Fisher's Scratch Pellets	G	12.00	3.50	3.50	5.00
	F	12.15	3.38	3.17	4.10
Fisher's Scratch Pellets	G	12.00	3.50	3.50	5.00
	F	<u>11.45</u>	3.61	3.18	3.95
Fisher's Scratch Pellets	G	12.00	3.50	3.50	5.00
	F	12.63	3.53	1.48	3.85
Fisher's Scratch Pellets	G	12.00	3.50	3.50	5.00
	F	12.54	<u>2.81</u>	2.94	3.72
Fisher's Sulfaquinoxaline 0.0155% Incorp. in Fisher's Developer Complete Krumbles (Medicated)	G	15.50	3.50	5.00	6.50
	F	16.22	3.86	3.55	6.48
Fisher's Terra-Medicated Krumbles High- Level Antibiotic Mix	G	20.00	3.50	8.00	10.00
	F	20.42	4.57	6.43	8.13
Fisher's Terra-Medicated Krumbles High- Level Antibiotic Mix	G	20.00	3.50	8.00	10.00
	F	20.22	4.25	5.87	8.03
Fisher's Terra-Medicated Krumbles High- Level Antibiotic Mix	G	20.00	3.50	8.00	10.00
	F	20.88	3.85	6.66	7.65
Fisher's Terra-Medicated Krumbles High- Level Antibiotic Mix	G	20.00	3.50	8.00	10.00
	F	20.67	4.09	5.32	7.40
Fisher's Two-Way Scratch	G	10.00	2.00	3.00	2.50
	F	10.77	2.70	2.25	1.47
Fisher's Two-Way Scratch	G	10.00	2.00	3.00	2.50
	F	<u>9.32</u>	2.85	2.11	1.43
Fisher's Two-Way Scratch	G	10.00	2.00	3.00	2.50
	F	<u>9.04</u>	2.46	2.06	1.48
Fisher's Two-Way Scratch	G	10.00	2.00	3.00	2.50
	F	<u>9.05</u>	2.98	2.37	1.48
Fisher's Two-Way Scratch	G	10.00	2.00	3.00	5.00
	F	<u>8.74</u>	3.27	1.97	1.48
Fisher's Two-Way Scratch	G	10.00	2.00	3.00	2.50
	F	9.80	2.66	2.09	1.41

\* G = guarantee; F = found

Manufacturer and Brand Name	G* F*	Percent Composition			
		Protein	Fat	Fiber	Ash
Fisher's Wheat Mixed Feed with Ground Grain Screenings	G	15.00	4.00	9.50	6.00
	F	16.91	4.45	9.26	4.82
<u>Foremost Feed Company</u> <u>Honolulu, Hawaii</u>					
Foremost Cage Grower Ration with 3% Granite Grit	G	15.50			
	F	15.75	3.63	7.52	11.00
Foremost Cage Grower Ration with 3% Granite Grit	G	15.00	3.00	8.00	9.50
	F	15.57	3.70	8.28	11.18
Foremost Cage Grower Ration with 3% Granite Grit	G	15.00	3.00	8.00	9.50
	F	15.92	3.83	7.85	8.09
Foremost Cage Grower Ration with 3% Granite Grit	G	15.00	3.00	8.00	9.50
	F	16.18	4.70	7.44	8.54
<u>General Mills, Inc.</u> <u>Honolulu, Hawaii</u>					
Larro Medicated Poultry Surelift	G	27.50	5.50	3.00	7.00
	F	28.46	5.64	3.07	6.24
Larro Medicated Poultry Surelift	G	27.50	5.50	3.00	7.00
	F	32.53	7.07	3.75	8.69
Larro Medicated Poultry Surelift	G	27.50	5.50	3.00	7.00
	F	27.74	7.47	2.85	6.16
Larro Medicated Poultry Surelift	G	27.50	5.50	3.00	7.00
	F	31.98	6.94	3.65	7.60
Larro Medicated Poultry Surelift	G	27.50	5.50	3.00	7.00
	F	27.86	5.00	2.76	6.11
Larro Nicarbazin and Arsonic Growth Stimulant Mix in Surebroiler Complete, Medicated	G	20.00	5.50	3.00	6.00
	F	21.56	6.76	2.75	5.75
Larro Nicarbazin and Arsonic Growth Stimulant Mix in Surebroiler Complete, Medicated	G	20.00	5.50	4.00	6.00
	F	18.48	7.16	4.07	5.15
Larro Nicarbazin and Arsonic Growth Stimulant Mix in Surebroiler Complete, Medicated	G	20.00	5.50	4.00	6.00
	F	22.58	7.73	3.70	5.46
Larro Nicarbazin and Arsonic Growth Stimulant Mix in Surebroiler Complete, Medicated	G	20.00	5.50	4.00	6.00
	F	21.42	9.25	3.80	5.61
Larro Scratch Grains	G	9.50	2.00	4.00	2.00
	F	10.20	4.33	2.48	1.70
Larro Scratch Grains	G	9.50	2.00	4.00	2.00
	F	9.22	2.50	1.95	1.31
Larro Scratch Grains	G	9.50	2.00	4.00	2.00
	F	9.48	2.43	2.05	1.40
Larro Scratch Grains	G	9.50	2.00	4.00	2.00
	F	10.39	2.57	2.25	1.71

\* G = guarantee; F = found

Manufacturer and Brand Name	G* F*	Percent Composition			
		Protein	Fat	Fiber	Ash
Larro Sureall	G	16.00	4.50	7.50	10.00
	F	17.18	5.18	5.26	6.94
Larro Sureall	G	16.00	4.00	7.50	10.00
	F	16.28	7.63	4.86	8.99
Larro Sureall	G	16.00	4.00	7.50	10.00
	F	17.56	8.18	5.71	7.07
Larro Surebroiler Finisher, Medicated	G	23.00	9.50	2.50	6.00
	F	<u>22.41</u>	9.39	2.32	4.60
Larro Surebroiler Finisher, Medicated	G	23.00	9.50	2.50	6.00
	F	24.40	10.03	2.67	5.42
Larro Surebroiler Finisher, Medicated	G	23.00	9.50	2.50	6.00
	F	24.07	<u>7.93</u>	2.80	5.50
Larro Surebroiler Finisher, Medicated	G	23.00	8.50	3.00	6.00
	F	23.49	12.38	2.82	6.07
Larro Surebroiler Finisher, Medicated	G	23.00	8.50	3.00	6.00
	F	23.30	11.96	2.78	5.03
Larro Surebroiler Starter, Medicated	G	26.00	9.50	2.50	6.00
	F	27.54	9.55	2.50	6.00
Larro Surebroiler Starter, Medicated	G	26.00	9.50	2.50	6.00
	F	26.34	9.19	2.37	5.31
Larro Surebroiler Starter, Medicated	G	26.00	9.50	2.50	6.00
	F	25.86	9.23	2.73	<u>6.53</u>
Larro Surebroiler Starter, Medicated	G	26.00	9.50	2.50	6.00
	F	<u>25.37</u>	10.81	2.71	5.71
Larro Surebroiler Starter, Medicated	G	26.00	9.50	2.50	6.00
	F	26.06	9.88	2.63	5.90
Larro Surebroiler Starter, Medicated	G	26.00	9.50	2.50	6.00
	F	27.16	15.27	1.97	4.95
Larro Surechick, Medicated	G	20.00	3.00	4.50	9.00
	F	20.70	3.33	3.55	7.15
Larro Surechick, Medicated	G	20.00	3.00	4.50	9.00
	F	19.95	3.64	4.05	5.91
Larro Surechick, Medicated	G	20.00	3.00	4.50	9.00
	F	21.88	3.66	4.22	6.50
Larro Surechick, Medicated	G	20.00	3.00	4.50	9.00
	F	20.79	3.73	4.12	6.14
Larro Surechick, Medicated	G	20.00	3.00	4.50	9.00
	F	21.40	4.34	4.56	5.92
Larro Suregrow Complete	G	16.00	3.00	5.50	9.00
	F	17.27	3.43	5.15	5.79
Larro Suregrow Complete	G	16.00	4.50	5.50	9.00
	F	18.46	7.09	5.55	5.18
Larro Suregrow Complete	G	16.00	4.50	5.50	9.00
	F	16.63	5.98	4.96	4.78
Larro Suregrow Complete	G	16.00	3.00	5.00	9.00
	F	17.08	3.88	5.05	5.08

\* G = guarantee; F = found

Manufacturer and Brand Name	G* F*	Percent Composition			
		Protein	Fat	Fiber	Ash
Larro Suregrow Complete, Medicated	G	16.00	3.00	7.00	9.00
	F	18.80	3.73	5.01	5.75
Larro Suregrow Complete, Medicated	G	16.00	3.00	7.00	9.00
	F	17.98	3.65	5.25	5.44
Larro Suregrow Complete, Medicated	G	16.00	3.00	5.50	9.00
	F	17.74	3.15	5.00	5.17
Larro Suregrow Complete, Medicated	G	16.00	3.00	5.50	9.00
	F	16.45	5.23	5.29	5.01
Larro Surelay Cage 16% with 2% Granite Grits	G	16.00	4.00	5.50	11.00
	F	16.18	5.91	4.92	9.31
Larro Surelay Complete "H.E."	G	16.00	2.50	5.00	12.50
	F	17.57	3.33	3.80	7.53
Larro Surelay Complete "H.E."	G	16.00	2.50	4.00	12.50
	F	16.19	3.11	3.80	7.27
Larro Surelay Complete "H.E."	G	16.00	2.50	4.50	12.50
	F	16.64	3.34	3.70	7.45
Larro Surelay Complete "H.E."	G	16.00	3.50	4.00	12.50
	F	17.26	3.96	3.57	7.02
Larro Surelay Complete "H.E."	G	20.00	3.50	6.50	10.50
	F	20.76	3.86	5.85	7.99
Larro Surelay Complete "H.E." with 2% Granite Grits	G	16.00	4.00	4.00	12.50
	F	18.04	4.40	4.29	9.61
Larro Surelay Complete "H.E." with 2% Granite Grits	G	16.00	4.00	4.50	12.50
	F	16.40	5.91	4.10	7.94
Larro Surelay Complete "H.E." with 2% Granite Grits	G	16.00	4.00	4.50	12.50
	F	16.22	6.24	3.14	8.52
Larro Surepigeon	G	14.00	2.00	3.50	2.00
	F	13.83	2.51	3.18	1.81
Larro Surepigeon	G	14.00	2.00	3.50	2.00
	F	15.21	2.02	3.49	1.97
Larro Surepigeon	G	14.00	2.00	3.50	2.00
	F	14.49	2.08	3.28	2.02
Larro Surepigeon	G	14.00	2.00	3.50	2.00
	F	13.80	2.35	3.13	1.82
Larro Surepoult	G	24.00	3.00	6.00	10.50
	F	24.87	3.88	4.69	7.80
Larro Sureturk Finisher Complete 18, Complete Feed for Finishing Turkeys	G	18.00	3.00	5.50	9.50
	F	18.43	3.14	5.57	5.35
<u>General Mills, Inc.</u>					
<u>San Francisco, California</u>					
Wheat White Middling	G	13.50	3.00	4.00	5.00
	F	14.39	3.16	2.44	2.08
Wheat White Middling	G	13.50	3.00	4.00	5.00
	F	14.94	2.78	4.00	2.66

\* G = guarantee; F = found

Manufacturer and Brand Name	G* F*	Percent Composition			
		Protein	Fat	Fiber	Ash
<u>Lees - Carney and Company</u>					
Pelleted Molasses and Screenings	G	11.00	5.00	15.00	12.00
	F	11.50	5.31	<u>16.88</u>	8.45
<u>Pillsbury Mill, Inc.</u>					
<u>Los Angeles, California</u>					
Pillsbury's Best Pigeon Feed	G	10.00	2.00	4.00	4.00
	F	15.30	2.81	3.26	1.78
Pillsbury's Best Pigeon Feed	G	10.00	2.00	4.00	4.00
	F	13.62	2.32	2.99	2.02
Pillsbury's Best 17% All Purpose with 2% Granite Grit	G	17.00	4.00	7.50	13.00
	F	17.36	4.49	5.83	8.82
Pillsbury's Best 4X Broiler Mash (High Calorie) (AN 5)	G	23.00	5.00	4.50	8.00
	F	23.26	4.98	3.87	6.25
Pillsbury's Best Chick Pre-Starter, Medicated	G	23.00	4.00	4.50	7.00
	F	23.62	4.64	4.00	5.93
Pillsbury's Best Chick Starter, Medicated	G	20.00	3.50	5.50	8.50
	F	20.39	4.11	5.04	6.50
Pillsbury's Best Corn and Wheat Scratch	G	9.00	2.00	4.00	4.00
	F	10.38	3.13	1.82	1.38
Pillsbury's Best Layeration with 2% Granite Grit	G	16.00	2.50	6.50	11.00
	F	17.66	3.54	4.51	10.43
Pillsbury's Best Pullet Grower with 2% Granite Grit, Medicated	G	18.00	4.00	7.00	11.00
	F	17.83	4.01	6.07	10.16
<u>The Quaker Oats Company</u>					
<u>Los Angeles, California</u>					
Ful-O-Pep All Purpose Egg Ration with 3% Grit and 3% Shell	G	16.00	3.00	9.00	12.00
	F	17.09	3.47	5.66	10.57
Ful-O-Pep All Purpose Egg Ration with 3% Grit and 3% Shell	G	16.00	3.00	9.00	12.50
	F	16.28	3.34	6.04	11.58
Ful-O-Pep Broiler Mash (AG2) Medicated	G	23.00	6.75	4.00	7.00
	F	<u>22.10</u>	6.37	4.33	6.35
Ful-O-Pep Broiler Pre-Starter (AG2) Medicated	G	26.00	7.00	4.00	8.50
	F	26.12	7.30	3.35	7.74
Ful-O-Pep Cage Egg Breeder Ration with 2% Grit and 3% Shell	G	16.00	3.50	9.00	16.00
	F	15.75	4.75	5.43	10.02
Ful-O-Pep Cage Egg Breeder Ration with 2% Grit and 3% Shell	G	16.00	3.50		16.00
	F	16.37	4.29	6.19	10.79
Ful-O-Pep Cage Egg Ration	G	16.00	3.50	6.00	9.50
	F	16.55	4.78	4.74	8.75
Ful-O-Pep Cage Egg Ration	G	16.00	3.50	6.00	9.50
	F	17.17	4.84	4.50	7.43
Ful-O-Pep Cage Egg Ration	G	16.00	3.50	6.00	9.50
	F	17.27	4.51	4.91	8.17
Ful-O-Pep Cage Egg Ration	G	16.00	3.50	6.00	9.50
	F	17.26	4.17	4.76	7.94

\* G = guarantee; F = found



Manufacturer and Brand Name	G* F*	Percent Composition			
		Protein	Fat	Fiber	Ash
Ful-O-Pep Cage Egg Ration	G	16.00	3.50	6.00	9.00
	F	17.30	3.54	4.61	7.15
Ful-O-Pep Caponette Fattener Ration (AG2)	G	15.00	4.00	5.00	7.00
Medicated	F	15.59	4.10	3.27	5.20
Ful-O-Pep Caponette Fattener Ration (AG2)	G	15.00	4.00	5.00	7.00
Medicated	F	18.19	4.78	3.23	5.19
Ful-O-Pep Caponette Fattener Ration (AG2)	G	17.00	4.00	5.00	7.00
Medicated	F	17.89	5.17	3.37	6.80
Ful-O-Pep Chick Pre-Starter (C2) Medicated	G	25.00	3.00	4.00	8.50
	F	24.60	5.09	3.65	7.72
Ful-O-Pep Chick Pre-Starter (C2) Medicated	G	25.00	3.00	4.00	8.50
	F	26.39	4.25	3.23	7.58
Ful-O-Pep Chick Pre-Starter (C2) Medicated	G	25.00	3.00	4.00	8.00
	F	24.64	4.78	3.99	6.68
Ful-O-Pep Chick Pre-Starter (C2) Medicated	G	25.00	3.00	4.00	8.50
	F	25.90	5.31	3.80	6.30
Ful-O-Pep Chick Starter	G	20.00	3.50	6.50	8.50
	F	20.77	4.49	4.29	6.17
Ful-O-Pep Chick Starter Ration (G2)	G	18.00	3.50	7.00	9.00
Medicated	F	18.52	3.74	6.15	5.96
Ful-O-Pep Creep Feed	G	14.00	2.50	9.00	9.00
	F	15.28	4.70	8.29	7.40
Ful-O-Pep Growing Mash	G	19.00	3.50	8.00	9.50
	F	19.32	3.68	5.93	8.49
Ful-O-Pep Growing Mash	G	19.00	3.50	8.00	9.50
	F	19.77	3.40	7.47	9.39
Ful-O-Pep Growing Mash	G	19.00	3.50	8.00	9.00
	F	20.79	3.68	6.87	6.88
Ful-O-Pep Growing Mash	G	19.00	3.50	8.00	9.50
	F	20.04	3.25	6.25	7.58
Ful-O-Pep Growing Mash	G	19.00	3.50	8.00	9.50
	F	19.78	4.66	7.99	8.64
Ful-O-Pep Hawaii, Grain Balancer	G	28.00	3.00	8.00	12.00
	F	30.20	2.95	5.62	10.66
Ful-O-Pep Hawaii Scratch Grains	G	9.00	1.50	3.00	2.00
	F	10.63	2.31	1.90	1.45
Ful-O-Pep Hawaii Scratch Grains	G	9.00	1.50	3.00	2.00
	F	10.11	2.30	1.59	1.27
Ful-O-Pep Hawaii Scratch Grains	G	9.00	1.50	3.00	2.00
	F	9.62	3.72	1.30	1.05
Ful-O-Pep Pullet Developer	G	11.00	2.00	20.00	9.50
	F	12.62	2.51	14.37	7.26
Ful-O-Pep Pullet Developer	G	11.00	2.00	20.00	9.50
	F	11.56	2.65	15.40	6.06

\* G = guarantee; F = found

Manufacturer and Brand Name	G* F*	Percent Composition			
		Protein	Fat	Fiber	Ash
Ful-O-Pep Pullet Developer	G	11.00	2.00	20.00	9.50
	F	11.42	4.65	15.48	7.29
Ful-O-Pep Super Broiler Mash (AG2) Medicated	G	23.00	6.75	4.00	7.00
	F	22.86	7.53	3.77	6.54
Ful-O-Pep Super Broiler Mash (AG2) Medicated	G	23.00	8.00	4.00	7.00
	F	23.17	7.89	3.69	6.00
Ful-O-Pep Super Broiler Mash (AG2) Medicated	G	23.00	8.00	4.00	7.00
	F	23.75	9.02	4.59	5.28
Ful-O-Pep Super Broiler Pre-Starter (AG2) Medicated	G	26.00	8.00	4.00	8.50
	F	25.59	8.61	3.41	6.72
Ful-O-Pep Super Cage Layer (A) Medicated	G	19.00	9.00	4.00	14.50
	F	20.76	12.05	4.15	9.14
Ful-O-Pep Super Cage Layer (A) Medicated	G	19.00	9.00	4.00	14.50
	F	20.39	12.71	3.99	7.55
Ful-O-Pep Super Cage Layer (A) Medicated	G	19.00	9.00	4.00	14.50
	F	21.06	9.30	3.95	8.59
Ful-C-Pep Turkey Finisher Ration	G	15.00	3.00	6.00	7.00
	F	15.84	3.49	4.87	5.14
Ful-O-Pep 20% Turkey Grower Ration	G	20.00	3.50	5.00	10.00
	F	<u>19.15</u>	3.80	5.31	6.65
Ful-O-Pep Turkey Starter	G	26.00	3.00	6.00	12.00
	F	26.71	6.95	5.37	7.68
Hawaii Ful-O-Pep Broiler Mash (AG2) Medicated	G	23.00	-	4.00	7.00
	F	<u>22.17</u>	5.81	3.44	6.43
Hawaii Ful-O-Pep Cage Egg Breeder Ration with 20% Grit and 3% Shell	G	16.00	3.50	9.00	16.00
	F	16.90	3.99	5.50	10.95
Hawaii Ful-O-Pep Chick Starter Ration with 3% Grit (B) Medicated	G	18.00	3.50	7.00	12.00
	F	<u>17.45</u>	<u>2.99</u>	5.33	9.51
Hawaii Ful-O-Pep Scratch Grains	G	9.00	1.50	3.00	5.00
	F	10.48	1.90	1.65	1.35

Ralston Purina Company  
St. Louis, Missouri

Purina Broiler Chow Finisher (D) 3NC Medicated	G	20.00	4.50	3.00	7.00
	F	21.96	4.17	2.94	4.80
Purina Broiler Chow Finisher (W) 3NC #2 Medicated	G	21.00	7.00	3.50	7.00
	F	21.85	7.38	3.09	5.82
Purina Broiler Chow Starter (D) 3NC Medicated	G	23.00	4.50	4.00	8.00
	F	<u>22.41</u>	4.73	3.66	5.88
Purina Broiler Chow Starter (D) 3NC Medicated	G	26.00	8.00	4.00	8.00
	F	26.80	7.93	3.66	6.31
Purina Broiler Chow Starter (W) 3NC #2 Medicated	G	24.00	7.00	4.50	8.00
	F	26.97	8.22	3.77	6.35
Purina Cage Layena W (Complete Ration)	G	18.00	4.00	6.50	12.00
	F	18.52	5.07	5.65	8.09

\* G = guarantee; F = found

Manufacturer and Brand Name	G* F*	Percent Composition			
		Protein	Fat	Fiber	Ash
Purina Chick Growena A	G	17.00	3.00	7.00	7.00
	F	17.65	3.86	5.25	5.86
Purina Chick Growena A	G	17.00	3.00	7.00	7.00
	F	18.43	4.50	5.44	5.74
Purina Chick Startena (W) 3NC Medicated	G	20.00	2.50	7.00	7.00
	F	21.29	4.52	5.55	6.14
Purina Egg Chow D	G	20.00	3.50	7.00	12.00
	F	20.22	4.09	6.45	9.24
Purina Egg Chow D	G	20.00	3.50	7.00	12.00
	F	<u>19.32</u>	4.12	5.41	9.00
Purina Eggena with 2% Grit	G	16.00	3.00	7.50	15.00
	F	16.55	3.85	5.92	9.88
Purina Flock Chow D	G	18.00	4.00	7.50	12.00
	F	18.97	4.12	6.45	8.08
Purina Medicated Chek-R-Aid A	G	20.00	4.50	4.50	9.00
	F	20.70	5.00	4.03	6.68
Purina Medicated Chek-R-Aid A	G	20.00	4.50	4.50	9.00
	F	22.10	5.05	3.94	7.24
Purina Medicated Chek-R-Aid A	G	20.00	4.50	4.50	9.00
	F	22.12	5.37	3.91	6.15
Purina Omolene	G	10.00	3.00	9.00	6.00
	F	11.63	3.35	6.16	4.61
Purina Omolene	G	10.00	3.00	9.00	6.00
	F	11.63	3.22	6.22	3.83
Purina Omolene	G	10.00	3.00	9.00	6.00
	F	11.92	3.33	5.95	4.47
Purina Omolene	G	10.00	3.00	9.00	6.00
	F	12.50	4.85	5.89	4.17
Purina Pigeon Chow Checkers	G	15.00	2.50	4.00	6.50
	F	16.18	3.81	3.18	5.83
Purina Poultry Booster Chow	G	24.00	2.50	6.50	12.00
	F	<u>23.45</u>	3.68	5.08	8.89
Purina Pullet Developer D	G	13.00	2.50	8.00	7.00
	F	13.87	3.85	<u>8.54</u>	<u>7.50</u>
Purina Pullet Developer D	G	13.00	2.50	8.00	7.00
	F	13.80	3.67	<u>8.77</u>	<u>7.64</u>
Purina Scratch Feed	G	9.00	2.00	4.00	2.00
	F	12.06	2.15	1.88	1.23
Purina Scratch Feed	G	9.00	2.00	4.00	2.00
	F	11.36	2.06	2.00	1.30
Purina Super Broiler Chow Finisher 3NC Medicated	G	23.00	7.50	3.00	7.00
	F	22.99	8.01	2.70	5.32
Purina Super Broiler Chow Starter 3NC Medicated	G	26.00	7.50	4.00	8.00
	F	26.02	9.05	3.64	6.40

\* G = guarantee; F = found

Manufacturer and Brand Name	G* F*	Percent Composition			
		Protein	Fat	Fiber	Ash
Purina Super Broiler Chow Starter 3NC	G	26.00	7.50	4.00	8.00
Medicated	F	26.12	8.79	3.57	6.33
Purina West Coast Eggena	G	16.00	3.00	7.50	15.00
	F	16.46	4.16	6.42	8.16
<u>San Joaquin Valley Hay Growers Association</u>					
<u>San Joaquin Valley, California</u>					
Vernalfa Brand Alfalfa Pellets	G	15.00	1.50	28.00	10.00
	F	15.28	1.19	25.90	<u>14.81</u>
<u>Spreckels Sugar Company</u>					
<u>San Francisco, California</u>					
Spreckels Molasses Dried Beet Pulp	G	6.00	0.30	18.00	8.00
	F	9.05	0.17	15.22	4.49
<u>Triangle Milling Company</u>					
<u>Portland, Oregon</u>					
Triangle Chick Scratch	G	9.00	2.50	3.00	2.50
	F	10.73	2.95	1.77	1.31
Triangle 4 Grain Scratch Feed	G	8.00	2.00	4.00	3.00
	F	9.84	2.96	3.13	1.64
Triangle 4 Grain Scratch Feed	G	8.00	2.00	4.00	3.00
	F	9.57	3.29	2.88	1.72
Triangle 4 Grain Scratch Feed	G	8.00	2.00	4.00	3.00
	F	10.84	3.19	2.86	2.14
Triangle 4 Grain Scratch Feed	G	8.00	2.00	4.00	3.00
	F	9.57	3.03	2.65	1.45
Triangle 4 Grain Scratch Feed	G	8.00	2.00	4.00	3.00
	F	10.20	2.87	3.13	1.57
Triangle 4 Grain Scratch Feed	G	8.00	2.00	4.00	3.00
	F	9.57	3.29	2.88	1.72
<u>Fred L. Waldron, Ltd.</u>					
<u>Honolulu, Hawaii</u>					
Waldron's Peerless All-Mash Egg Food Pellets	G	16.50	3.00	7.50	9.50
	F	17.30	3.80	5.15	5.29
Waldron's Peerless All-Mash Egg Food with Shell and 1.5% Granite Grit	G	16.00	3.50	5.00	11.00
	F	18.23	3.54	4.75	9.13
Waldron's Peerless All-Mash Egg Food with Shell and 1.5% Granite Grit	G	16.00	3.50	5.00	11.00
	F	15.92	3.30	4.47	<u>11.61</u>
Waldron's Peerless All-Mash Egg Food with Shell and 1.5% Granite Grit	G	16.00	3.50	5.00	11.00
	F	16.82	3.57	5.08	<u>11.68</u>
Waldron's Peerless All-Mash Egg Food with Shell and 1.5% Granite Grit	G	16.00	3.50	5.00	11.00
	F	16.36	3.56	5.11	10.17
Waldron's Peerless All-Mash Egg Food with Shell and 1.5% Granite Grit	G	16.00	3.50	5.00	11.00
	F	17.35	3.88	4.78	<u>11.51</u>

\* G = Guarantee; F = found

Manufacturer and Brand Name	G* F*	Percent Composition			
		Protein	Fat	Fiber	Ash
Waldron's Peerless All-Mash Egg Food with Shell and 1.5% Granite Grit	G	16.00	3.50	5.00	11.00
	F	16.02	3.53	4.20	10.81
Waldron's Peerless All Purpose Mash	G	16.00	3.50	5.50	9.00
	F	16.28	3.12	5.80	6.63
Waldron's Peerless All Purpose Mash	G	16.00	3.50	5.50	9.00
	F	16.37	3.61	5.04	7.02
Waldron's Peerless Battery Laying Ration for Cage Layers with Shell and 1.5% Granite Grit	G	16.00	3.50	5.00	11.00
	F	16.52	3.26	4.44	6.83
Waldron's Peerless Battery Laying Ration for Cage Layers with Shell and 1.5% Granite Grit	G	16.00	3.50	5.00	11.00
	F	16.55	3.35	4.99	11.27
Waldron's Peerless Battery Laying Ration for Cage Layers with Shell and 1.5% Granite Grit	G	16.00	3.50	5.00	11.00
	F	<u>14.90</u>	3.79	4.35	11.44
Waldron's Peerless Battery Laying Ration for Cage Layers with Shell and 1.5% Granite Grit	G	16.00	3.50	5.00	11.00
	F	16.46	3.72	4.43	9.23
Waldron's Peerless Battery Laying Ration for Cage Layers with Shell and 1.5% Granite Grit	G	16.00	3.50	5.00	11.00
	F	16.81	4.19	4.50	<u>11.90</u>
Waldron's Peerless Breeder Egg Food	G	17.50	3.50	5.00	9.00
	F	19.50	4.04	4.16	6.68
Waldron's Peerless Broiler Finisher Medicated	G	20.00	5.50	4.00	7.00
	F	20.13	5.30	3.32	5.76
Waldron's Peerless Broiler-Fryer Ration Medicated	G	23.00	5.50	4.00	7.00
	F	<u>21.79</u>	5.63	3.75	6.16
Waldron's Peerless Broiler-Fryer Ration Medicated	G	23.00	5.50	4.00	7.00
	F	23.88	7.16	3.73	6.12
Waldron's Peerless Broiler-Fryer Ration Medicated	G	23.50	7.00	4.00	7.00
	F	23.79	7.13	3.65	5.62
Waldron's Peerless Broiler-Fryer Ration Medicated	G	23.50	7.00	4.00	7.00
	F	23.08	6.90	3.40	5.61
Waldron's Peerless Broiler-Fryer Ration Medicated	G	23.50	7.00	4.00	7.00
	F	<u>22.24</u>	6.73	3.61	<u>7.64</u>
Waldron's Peerless Broiler-Fryer Ration Medicated	G	23.50	7.00	4.00	7.00
	F	23.72	8.11	3.57	5.14
Waldron's Peerless Broiler-Fryer Ration Medicated	G	23.50	7.00	4.00	7.00
	F	23.29	9.13	3.38	5.48
Waldron's Peerless Coxey Control Mash	G	14.00	2.50	5.00	9.00
	F	16.81	2.64	3.70	6.84
Waldron's Peerless Dual Purpose Grow Lay Food	G	16.00	3.50	5.50	9.00
	F	17.57	3.60	5.44	7.48
Waldron's Peerless Dual Purpose Grow Lay Food	G	16.00	3.50	5.50	9.00
	F	17.17	3.63	5.03	8.04

\* G = guarantee; F = found

Manufacturer and Brand Name	G* F*	Percent Composition			
		Protein	Fat	Fiber	Ash
Waldron's Peerless Dual Purpose Grow Lay Food	G	16.00	3.50	5.50	9.00
	F	16.73	3.72	5.08	7.42
Waldron's Peerless Dual Purpose Grow Lay Food	G	16.00	3.50	5.50	9.00
	F	17.09	3.34	5.32	7.53
Waldron's Peerless Dual Purpose Grow Lay Food	G	16.00	3.50	5.50	9.00
	F	17.53	4.28	5.16	7.69
Waldron's Peerless Growing Pullet Food with 11/2% Granite Grit Medicated	G	16.50	4.00	5.00	8.00
	F	17.56	4.59	5.14	7.34
Waldron's Peerless Growing Pullet Food with 11/2% Granite Grit Medicated	G	16.50	4.00	5.00	8.00
	F	16.45	4.26	4.51	7.80
Waldron's Peerless Master Chick Mash, Medicated	G	20.00	4.00	4.50	7.50
	F	20.70	4.53	4.40	6.55
Waldron's Peerless Master Chick Mash, Medicated	G	20.00	4.00	4.50	7.50
	F	20.04	4.43	4.20	5.39
Waldron's Peerless Master Chick Mash, Medicated	G	20.00	4.00	4.50	7.50
	F	20.13	4.53	4.52	5.68
Waldron's Peerless Master Chick Mash, Medicated	G	20.00	4.00	4.50	7.50
	F	20.22	4.31	4.24	6.24
Waldron's Peerless Master Chick Mash, Medicated	G	20.00	4.00	4.50	7.50
	F	21.58	5.15	4.28	6.94
Waldron's Peerless Scratch Feed 50-50	G	9.00	2.50	3.50	4.00
	F	10.11	2.56	2.08	1.38
Waldron's Peerless Scratch Feed 50-50	G	9.00	2.50	3.50	4.00
	F	12.19	2.10	<u>5.99</u>	1.57

CATTLE, SWINE, HORSE, AND SHEEP FEEDS

Albers Milling Company  
Los Angeles, California

Albers Beefys 12	G	12.00	2.50	12.00	10.00
	F	14.93	4.18	11.36	8.79
Albers Beefys 32	G	32.00	3.00	10.00	12.00
	F	33.98	3.51	9.41	8.02
Albers Calf Manna	G	25.00	3.50	5.50	10.00
	F	<u>23.98</u>	4.64	4.75	8.08
Albers Calf Manna	G	25.00	3.50	5.50	10.00
	F	25.68	3.44	4.65	7.39
Albers Cattle Developer 14	G	14.00	2.50	12.00	10.00
	F	15.82	3.52	9.70	8.52
Albers 0.0022% Diethylstilbestrol Mix for Fattening Beef Cattle Mixed in Albers Beefys 41	G	41.00	3.00	8.00	12.00
	F	41.70	2.59	8.37	9.75
Albers Hawaiian Pig Finisher	G	12.00	2.50	7.00	9.00
	F	15.23	3.25	6.58	7.59

\* G = guarantee; F = found

Manufacturer and Brand Name	G* F*	Percent Composition			
		Protein	Fat	Fiber	Ash
Albers Hawaiian Pig and Sow Ration	G	18.00	4.00	9.00	9.00
	F	19.50	4.61	6.80	7.52
Albers Hawaiian Pig and Sow Ration	G	18.00	4.00	9.00	9.00
	F	19.86	4.95	6.96	9.03
Albers Hawaiian Pig and Sow Ration	G	18.00	4.00	9.00	9.00
	F	20.30	4.24	6.26	<u>9.58</u>
Albers Hawaiian Pig and Sow Ration	G	18.00	4.00	9.00	9.00
	F	18.78	3.95	6.93	8.24
Albers Lab-Mix for Ruminants	G	15.00	2.00	6.00	60.00
	F	21.24	<u>1.45</u>	4.34	47.36
Albers Lab-Mix for Swine	G	45.00	7.00	4.00	30.00
	F	<u>43.92</u>	8.73	2.71	28.20
Albers Milk Flo 20	G	20.00	3.50	10.00	10.00
	F	21.29	3.37	8.28	7.91
Albers Milk Flo 20	G	20.00	4.50	11.00	12.00
	F	20.88	4.62	<u>11.71</u>	9.31
Albers Milk Flo 20	G	20.00	4.50	11.00	12.00
	F	20.76	4.53	10.64	8.22
Albers "Perfect 36," A Hog Concentrate	G	36.00	4.00	10.00	20.00
	F	37.20	5.55	8.72	19.69
Albers Pig Maker	G	16.00	3.00	8.50	9.00
	F	18.82	4.90	6.24	8.89
Albers Pig Maker	G	16.00	3.00	8.50	9.00
	F	19.96	4.50	5.36	8.65
Albers Pig Maker 16	G	16.00	3.50	8.00	9.00
	F	17.80	4.54	6.16	7.55
Albers Pig Maker (All-Age Pig Ration)	G	14.00	4.00	9.00	9.00
	F	14.34	3.69	6.68	8.45
Albers Pig Maker (All-Age Pig Ration)	G	14.00	4.00	9.00	9.00
	F	15.92	4.01	6.73	8.74
Albers Pig Maker, Medicated	G	16.00	3.00	8.50	9.00
	F	19.98	4.89	5.87	8.80
Albers Pig and Sow Ration	G	14.00	3.00	11.00	10.00
	F	19.18	4.57	8.20	9.64
Albers Pig and Sow Ration, Medicated	G	16.00	3.00	11.00	10.00
	F	19.54	4.33	9.51	9.37
Albers Pig and Sow Ration, Medicated	G	16.00	3.00	11.00	10.00
	F	17.71	4.19	9.89	9.30
Albers Sweet Pak Pig Starter	G	20.00	4.00	5.00	8.00
	F	20.27	4.90	2.95	6.42
Albers Sweet Pak Pig Starter	G	20.00	4.00	5.00	8.00
	F	20.39	4.96	2.61	7.42
Albers Sweet Pak Pig Starter	G	20.00	4.00	4.00	9.00
	F	19.51	4.83	2.89	6.55

\* G = guarantee; F = found

Manufacturer and Brand Name	G* F*	Percent Composition			
		Protein	Fat	Fiber	Ash
Albers Sweet Pak Pig Starter, Medicated	G	20.00	4.00	4.00	9.00
	F	20.52	5.67	2.72	6.67
DeVitalized Canadian Refuse Screenings	G				
	F	12.18	6.22	16.83	7.72
DeVitalized Canadian Refuse Screenings	G				
	F	12.43	6.98	15.22	7.98
DeVitalized Canadian Refuse Screenings	G				
	F	15.59	8.75	12.30	8.00
<u>California Milling Corporation</u>					
<u>Los Angeles, California</u>					
Ace-Hi Big Calf	G	17.50	3.50	9.00	10.00
	F	17.98	2.74	6.66	5.49
Ace-Hi 20% Dairy Feed for Dairy Cows	G	20.00	3.00	10.00	8.00
	F	21.92	2.88	7.46	6.74
Ace-Hi 20% Dairy Feed for Dairy Cows	G	20.00	3.00	10.00	8.00
	F	21.24	3.10	7.62	5.36
Ace-Hi 20% Dairy Feed for Dairy Cows	G	20.00	3.00	10.00	8.00
	F	20.85	3.38	7.24	6.00
Ace-Hi 20% Dairy Feed for Dairy Cows	G	20.00	3.00	10.00	8.00
	F	21.24	3.10	7.62	5.36
Ace-Hi 20% Dairy Feed for Dairy Cows	G	20.00	3.00	10.00	8.00
	F	20.77	3.20	7.58	5.87
Ace-Hi 40% Hog Concentrate	G	40.00	5.50	8.00	17.00
	F	40.46	7.17	6.76	11.94
Ace-Hi 40% Hog Concentrate	G	40.00	5.50	8.00	17.00
	F	<u>39.36</u>	6.80	7.21	<u>17.73</u>
Ace-Hi 40% Hog Concentrate	G	40.00	5.50	8.00	17.00
	F	<u>37.54</u>	6.26	6.60	16.75
Ace-Hi 40% Hog Concentrate	G	40.00	5.50	8.00	17.00
	F	<u>37.64</u>	6.12	6.96	<u>22.47</u>
Ace-Hi Junior Calf	G	18.00	3.50	9.00	10.00
	F	19.33	3.75	6.58	5.80
Ace-Hi Junior Calf	G	18.00	3.50	9.00	10.00
	F	18.64	3.03	7.42	6.44
Ace-Hi Pig and Sow Grower	G	17.00	3.50	8.00	10.00
	F	18.04	3.24	5.07	6.82
Ace-Hi Pig and Sow Grower	G	17.00	3.50	8.00	10.00
	F	18.61	3.50	5.21	6.61
Ace-Hi Pig and Sow Grower	G	17.00	3.50	8.00	10.00
	F	18.07	3.72	5.01	6.20
Ace-Hi Pig and Sow Grower	G	17.00	3.50	8.00	10.00
	F	17.44	4.25	5.36	7.25

\* G = guarantee; F = found



Manufacturer and Brand Name	G* F*	Percent Composition			
		Protein	Fat	Fiber	Ash
Ace-Hi Pig and Sow Grower, Medicated for Swine only	G	17.00	3.50	8.00	10.00
	F	18.43	3.52	5.61	6.71
Ace-Hi Pig Fat-ner Meal Medicated	G	12.00	2.50	9.00	8.00
	F	13.22	2.75	<u>11.75</u>	<u>8.92</u>
Ace-Hi Pig Starter Pellets, Medicated	G	20.00	4.00	8.00	8.00
	F	20.51	4.12	4.99	7.54
Ace-Hi Pig Starter Pellets, Medicated	G	20.00	4.00	8.00	8.00
	F	20.40	4.56	4.43	8.35
Ace-Hi Pig Starter Pellets, Medicated	G	20.00	4.00	8.00	8.00
	F	<u>19.46</u>	4.25	4.08	7.87
Blue Ribbon Pig Developer Meal	G	16.00	3.00	9.00	9.00
	F	18.07	3.03	<u>11.19</u>	<u>10.09</u>
Dairymen's Special Dairy Mix	G	14.50	1.75	26.00	9.00
	F	15.20	1.60	21.68	9.25
Valley Farm Pig Grower Meal	G	14.00	2.50	9.00	9.00
	F	17.18	2.59	6.88	7.14
Valley Farm Pig Grower Meal	G	14.00	2.50	9.00	9.00
	F	17.45	2.66	7.91	7.02
Valley Farm Pig Grower Meal	G	14.00	2.50	9.00	9.00
	F	16.31	2.57	1.73	6.40
Valley Farm Pig Grower Meal	G	14.00	2.50	9.00	9.00
	F	17.71	3.55	8.14	8.70

Fisher Flouring Mills Company  
Seattle, Washington

Fisher's Dairy Ration with Molasses	G	16.00	3.50	10.00	8.00
	F	16.37	3.24	7.29	7.10
Fisher's Dairy Ration with Molasses	G	16.00	3.50	10.00	8.00
	F	16.99	<u>2.30</u>	8.76	6.94
Fisher's Dairy Ration with Molasses	G	16.00	3.50	10.00	8.00
	F	15.75	3.11	7.57	6.55
Fisher's Dairy Ration with Molasses	G	16.00	3.50	10.00	8.00
	F	15.95	3.11	8.27	6.31
Fisher's Mormilk with Molasses, Coconut Oil Meal added	G	20.00	3.50	8.00	8.00
	F	21.56	<u>1.99</u>	7.67	6.96
Fisher's 16% Mormilk with Molasses Coconut Oil Meal added	G	16.00	3.50	8.00	8.00
	F	16.72	<u>2.40</u>	6.67	5.82
Fisher's Morpork	G	16.00	3.50	7.00	7.00
	F	17.00	3.59	5.22	5.76
Fisher's Morpork	G	16.00	3.50	7.00	7.00
	F	16.62	3.47	6.17	6.04
Fisher's Morpork	G	16.00	3.50	7.00	7.00
	F	16.46	3.58	5.47	4.86
Fisher's Morpork	G	16.00	3.50	7.00	7.00
	F	16.73	3.54	5.10	5.43

\* G = guarantee; F = found

Manufacturer and Brand Name	G* F*	Percent Composition			
		Protein	Fat	Fiber	Ash
Fisher's Morpork	G	16.00	3.50	7.00	7.00
	F	16.31	3.11	5.55	5.12
Fisher's Morpork	G	16.00	3.50	7.00	7.00
	F	17.26	3.64	5.33	5.21
Fisher's Morpork Special	G	15.00	3.50	7.00	7.00
	F	16.14	3.37	5.05	4.84
Fisher's Morpork Special	G	15.00	3.50	7.00	7.00
	F	15.84	3.38	4.38	4.35
Fisher's Morpork Special	G	15.00	3.50	7.00	7.00
	F	16.31	3.54	5.09	4.35
Fisher's Morpork Special	G	15.00	3.50	7.00	7.00
	F	15.64	3.42	4.62	4.28
Fisher's Pig Starter Pellets	G	20.00	3.50	6.50	7.00
	F	19.55	3.68	4.10	5.74
Fisher's Pig Starter Pellets	G	20.00	3.50	6.50	7.00
	F	20.43	3.69	4.82	5.72
<u>Foremost Feed Company</u> <u>Honolulu, Hawaii</u>					
Foremost Cattle Feed	G	13.50	1.50	18.00	6.00
	F	<u>11.34</u>	1.59	7.70	<u>8.98</u>
Foremost Cattle Feed	G	13.50	1.50	18.00	6.00
	F	13.68	1.89	8.49	<u>8.18</u>
Foremost Cattle Feed	G	13.50	1.50	18.00	6.00
	F	<u>12.62</u>	3.03	8.53	<u>8.38</u>
Foremost Cattle Feed	G	13.50	1.50	18.00	6.00
	F	<u>11.69</u>	3.52	12.33	<u>7.92</u>
Foremost Sow and Pig Meal	G	16.00	2.50	9.00	7.00
	F	16.90	3.02	7.73	6.69
Foremost Sow and Pig Meal	G	16.00	2.50	9.00	7.00
	F	15.93	3.23	7.12	6.13
Foremost Sow and Pig Meal	G	16.00	2.50	9.00	7.00
	F	17.08	2.90	7.81	7.47
Foremost Sow and Pig Meal	G	16.00	2.50	9.00	7.00
	F	17.65	3.27	7.92	7.05
Foremost Sow and Pig Meal	G	16.00	2.50	9.00	7.00
	F	17.53	5.11	9.19	7.35
<u>General Mills, Inc.</u> <u>Honolulu, Hawaii</u>					
Gold Medal Hog Feed	G	14.00	2.50	9.00	8.50
	F	15.21	2.53	7.06	6.12
Larro Chlortetracycline and 0.0011% Diethylstilbestrol Mix in Surecattle 32	G	32.00	3.00	9.00	14.00
	F	32.03	3.08	5.77	9.23

\* G = guarantee; F = found

Manufacturer and Brand Name	G* F*	Percent Composition			
		Protein	Fat	Fiber	Ash
Larro Surecalf	G	20.00	2.50	8.00	9.00
	F	22.03	2.57	6.75	7.07
Larro Surecalf	G	20.00	2.50	8.00	9.00
	F	<u>19.15</u>	2.19	7.21	6.44
Larro Surecalf	G	20.00	2.50	8.00	9.00
	F	<u>18.43</u>	2.60	7.61	6.55
Larro Surecalf	G	20.00	2.50	8.00	9.00
	F	20.07	2.35	7.77	5.27
Larro Surecattle 32	G	32.00	2.00	9.00	14.00
	F	31.76	2.28	5.42	8.63
Larro Surecattle 32	G	32.00	2.00	9.00	14.00
	F	<u>31.44</u>	2.35	9.73	9.23
Larro Surecattle 32	G	32.00	2.00	9.00	14.00
	F	33.34	2.37	<u>10.43</u>	9.31
Larro Suremilk (20%) 20	G	20.00	2.50	9.50	9.00
	F	22.03	2.59	6.11	6.25
Larro Suremilk (20%) 20	G	20.00	2.50	9.50	9.00
	F	21.74	3.00	7.72	6.45
Larro Suremilk (20%) 20	G	20.00	2.50	9.50	9.00
	F	20.99	2.95	7.38	6.10
Larro Suremilk (20%) 20	G	20.00	2.50	9.50	9.00
	F	21.15	2.15	7.60	5.99
Larro Suremilk (20%) 20	G	20.00	2.50	9.50	9.00
	F	21.33	2.25	7.73	5.41
Larro Surepig Medicated	G	18.00	3.00	4.00	7.00
	F	18.61	3.83	3.10	5.32
Larro Surepig Medicated	G	18.00	3.00	4.00	7.00
	F	19.24	4.69	2.76	4.36
Larro Surepig Medicated	G	18.00	3.00	4.00	7.00
	F	19.59	3.96	2.73	4.99
Larro Surepig Medicated	G	18.00	3.00	4.00	7.00
	F	18.52	3.68	3.46	4.92
Larro Surepig Medicated	G	18.00	3.00	4.00	7.00
	F	18.55	3.63	3.30	4.95
Larro Surepig Medicated	G	18.00	3.00	4.00	7.00
	F	18.10	3.21	3.14	4.69
Larro Surepork 35	G	35.00	2.50	8.00	17.00
	F	35.11	2.20	6.30	12.68
Larro Surepork 35	G	35.00	2.50	8.00	16.00
	F	<u>34.25</u>	<u>1.74</u>	7.21	11.04
Larro Surepork 35	G	35.00	2.50	8.00	17.00
	F	36.74	2.50	7.56	11.97
Larro Surepork Complete	G	15.00	2.50	6.00	8.00
	F	15.75	3.12	5.54	5.36

\* G = guarantee; F = found

Manufacturer and Brand Name	G* F*	Percent Composition			
		Protein	Fat	Fiber	Ash
Larro Surepork Complete	G	15.00	2.50	6.00	8.00
	F	16.00	3.80	5.92	6.13
Larro Surepork Complete, Medicated	G	15.00	2.50	6.00	8.00
	F	17.57	3.03	5.65	5.45
Larro Surepork Complete, Medicated	G	15.00	2.50	6.00	8.00
	F	16.37	2.45	5.33	5.79
Larro Surepork Complete, Medicated	G	15.00	2.50	6.00	8.00
	F	16.13	2.50	5.84	5.33
Larro Surepork Complete, Medicated	G	15.00	2.50	6.00	8.00
	F	16.31	2.55	5.34	5.10
Larro Surepork Complete, Medicated	G	15.00	2.50	6.00	8.00
	F	16.13	2.71	5.42	5.17
<u>Hawaiian Commercial and Sugar Company, Ltd.</u> <u>Puunene, Maui</u>					
Maui Brand Dairy Feed	G	14.00	3.00	12.00	12.00
	F	18.07	3.02	7.77	10.70
Maui Brand Dairy Feed	G	14.00	3.00	12.00	13.00
	F	17.03	3.09	9.50	6.86
Pig Fattening Meal	G	12.50	3.00	9.00	13.00
	F	14.79	2.86	7.51	9.71
<u>Honolulu Milling Company</u> <u>Honolulu, Hawaii</u>					
Check-R-Mix Cattle Feed	G	12.00	1.50	15.00	8.00
	F	12.63	1.83	9.82	6.79
Check-R-Mix Cattle Feed	G	12.00	1.50	15.00	8.00
	F	12.62	1.90	10.67	4.78
Check-R-Mix Cattle Feed	G	12.00	1.50	15.00	8.00
	F	12.17	2.23	12.41	6.31
Check-R-Mix Dry and Freshening Feed Z	G	11.00	2.00	8.00	10.00
	F	14.43	7.90	6.50	8.46
Check-R-Mix Dry and Freshening Feed Z	G	11.00	2.00	8.00	10.00
	F	13.42	1.99	7.75	7.60
Growing Cattle Feed	G	12.00	2.00	17.00	10.00
	F	12.34	1.43	5.63	5.43
Growing Cattle Feed	G	12.00	2.00	17.00	10.00
	F	12.97	1.83	10.87	7.00
Sow and Pig Feed	G	17.00	3.00	12.00	8.00
	F	19.59	2.57	13.13	7.60
<u>Land O' Lakes Creameries, Inc.</u> <u>Minneapolis, Minnesota</u>					
Land O' Lakes Calf Milk Replacer	G	24.00	10.00	0.25	10.00
	F	24.56	9.97	0.09	7.42

\* G = guarantee; F = found

Manufacturer and Brand Name	G* F*	Percent Composition			
		Protein	Fat	Fiber	Ash
Land O' Lakes Pig Milk Replacer	G	24.00	10.00	0.25	10.00
	F	23.61	<u>9.44</u>	0.10	8.27
<u>Lees-Carney and Company</u> <u>Portland, Oregon</u>					
Pelleted Molasses and Screenings	G	11.00	5.00	15.00	12.00
	F	11.50	5.31	<u>16.88</u>	8.45
<u>Moanalua Feed Company, Ltd.</u> <u>Honolulu, Hawaii</u>					
Moanalua Special Mix Dairy Feed	G	-----	-----	-----	----
	F	26.00	2.67	19.04	8.48
<u>Pillsbury Mills, Inc.</u> <u>Los Angeles, California</u>					
Pillsbury Best XXXX Calf Starter Pellet	G	24.00	2.50	7.00	8.00
	F	26.66	3.20	5.80	7.35
Pillsbury Best XXXX Calf Starter Pellet	G	24.00	2.50	7.00	8.00
	F	24.52	3.79	5.80	6.90
Pillsbury Best XXXX Pig and Sow Feed	G	17.00	3.00	7.50	10.00
	F	19.86	3.48	6.64	10.14
<u>The Quaker Oats Company</u> <u>Chicago, Illinois</u>					
Ful-O-Pep Calf Ration	G	20.00	3.00	9.00	9.00
	F	21.56	5.25	6.44	8.60
Ful-O-Pep Calf Ration	G	20.00	3.00	9.00	9.00
	F	21.51	3.93	6.79	7.30
Ful-O-Pep Calf Sup	G	21.00	7.50	0.50	9.00
	F	21.58	9.42	0.43	8.47
Ful-O-Pep Pig Starter	G	18.00	2.50	5.00	9.00
	F	18.80	2.96	4.13	7.90
Ful-O-Pep Pig Starter Special	G	18.00	3.50	6.00	9.00
	F	18.69	3.57	2.15	7.46
Ful-O-Pep Pig Starter Special	G	18.00	3.50	6.00	9.00
	F	18.37	3.48	2.89	6.55
Ful-O-Pep Pig Starter Special	G	18.00	3.50	6.00	9.00
	F	19.15	5.47	2.88	7.57
<u>Ralston Purina Company</u> <u>St. Louis, Missouri</u>					
Purina Baby Pig Chow F Medicated	G	18.00	5.00	3.00	8.00
	F	19.06	5.49	1.61	4.44
Purina Beef Chow	G	30.00	2.50	8.00	10.00
	F	32.56	2.35	6.30	7.15
Purina Complete Sow and Pig Chow	G	16.00	2.50	7.00	9.00
	F	17.80	2.61	5.15	4.93

\* G = guarantee; F = found

Manufacturer and Brand Name	G* F*	Percent Composition			
		Protein	Fat	Fiber	Ash
Purina D & F Chow Supplement H	G	13.00	2.00	10.00	14.00
	F	19.51	3.07	8.55	11.34
Purina D & F Chow Supplement H	G	13.00	2.00	10.00	14.00
	F	19.23	2.76	10.45	7.62
Purina Dairy Premix 50% A	G	50.00	2.50	10.00	15.00
	F	50.10	3.51	8.25	9.41
Purina Pig Startena Medicated	G	18.00	4.50	5.00	8.00
	F	19.81	4.14	2.67	4.54
Purina Pig Startena Medicated	G	18.00	4.50	5.00	8.00
	F	19.90	4.37	2.63	4.11
Purina Sow Chow A	G	32.00	2.00	9.00	17.00
	F	33.62	2.37	5.39	13.25
Purina Sow Chow A	G	32.00	2.00	9.00	17.00
	F	33.98	2.23	5.37	11.40
Purina Sow Chow A	G	32.00	2.00	9.00	17.00
	F	34.24	1.84	6.10	12.61
Purina Steer Fatena 40% G	G	40.00	2.00	10.00	10.00
	F	42.40	3.59	9.53	8.72
Purina Steer Fatena 40% G	G	40.00	2.00	10.00	10.00
	F	<u>38.66</u>	3.11	9.06	8.09
<u>Robinson Farm, Rt. 5, Box 100</u> <u>Stockton, California</u>					
Honolulu Dairy Mixed Feed	G	16.00	2.25	19.90	11.82
	F	<u>14.49</u>	1.94	20.15	8.35
Honolulu Dairy Mixed Feed	G	16.00	2.25	19.90	11.82
	F	17.08	1.95	<u>21.91</u>	7.77
Honolulu Dairy Mixed Feed	G	16.00	2.25	19.90	11.82
	F	<u>15.32</u>	<u>1.40</u>	<u>20.78</u>	7.07
<u>San Joaquin Valley Hay Growers Association</u> <u>San Joaquin, California</u>					
Vernalfa Brand Alfalfa Pellets	G	15.00	1.50	28.00	10.00
	F	15.28	1.19	25.90	<u>14.81</u>
<u>Sears Alfalfa Mill, Inc.</u> <u>Chowchillea, California</u>					
Sears Mixed Dairy Feed	G	20.00	2.25	25.00	10.00
	F	27.50	2.68	14.21	8.49
<u>Fred L. Waldron, Ltd.</u> <u>Honolulu, Hawaii</u>					
Peerless Pig and Sow Feed	G	17.00	3.50	6.50	6.50
	F	17.14	3.84	5.02	5.55
Peerless Pig and Sow Feed	G	17.00	3.50	6.50	6.50
	F	17.62	3.66	5.52	6.37

\* G = guarantee; F = found

Manufacturer and Brand Name	G* F*	Percent Composition			
		Protein	Fat	Fiber	Ash
Peerless Pig and Sow Feed	G	17.00	3.50	6.50	6.50
	F	17.18	4.41	4.51	4.48
Peerless Pig and Sow Feed	G	17.00	3.50	6.50	6.50
	F	16.70	3.89	5.00	5.44
Peerless Pig and Sow Feed	G	17.00	3.50	6.50	6.50
	F	19.06	4.54	5.18	6.55
Peerless Pork Producer	G	14.00	3.50	6.50	6.50
	F	16.43	3.60	5.35	6.53
Peerless Pork Producer	G	14.00	3.50	6.50	6.50
	F	14.76	4.19	4.90	4.98
Peerless Pork Producer	G	14.00	3.50	6.50	6.50
	F	15.59	3.74	5.19	6.93
<u>Sears Alfalfa Mill, Inc.</u> <u>Chowchillea, California</u>					
Sears Mixed Dairy Feed	G	20.00	2.25	25.00	10.00
	F	25.98	3.16	19.02	<u>11.24</u>
<u>Stoddard Associated Milling Company</u>					
Samlico Calf Grower	G	12.00	5.00	9.00	9.00
	F	12.50	<u>2.89</u>	8.58	7.52
MISCELLANEOUS					
<u>Albers Milling Company</u> <u>Los Angeles, California</u>					
Albers Double Duty Rabbit Ration	G	16.00	2.50	20.00	9.50
	F	16.73	3.64	15.20	8.99
Albers Double Duty Rabbit Ration	G	16.00	2.50	20.00	9.50
	F	17.08	2.96	16.75	9.23
Albers Double Duty Rabbit Ration	G	16.00	2.50	20.00	9.50
	F	16.82	2.19	18.67	8.41
Albers Double Duty Rabbit Ration	G	16.00	2.50	20.00	9.50
	F	16.18	2.72	15.15	9.87
Trophy (for Horse)	G	12.00	3.50	9.00	7.00
	F	12.34	3.26	8.06	5.06
<u>California Milling Corporation</u> <u>Los Angeles, California</u>					
Ace-Hi Special Rabbit Pellets	G	16.00	3.00	18.00	10.00
	F	19.28	3.05	11.59	9.98
Ace-Hi Special Rabbit Pellets	G	16.00	3.00	18.00	10.00
	F	18.07	2.74	14.21	7.64
Ace-Hi Special Rabbit Pellets	G	16.00	3.00	18.00	10.00
	F	16.72	2.75	14.86	8.38
Ace-Hi Special Rabbit Pellets	G	16.00	3.00	18.00	10.00
	F	16.94	2.60	13.20	8.64

\* G = guarantee; F = found

Manufacturer and Brand Name	G*	Percent Composition				
		F*	Protein	Fat	Fiber	Ash
Valley Farm Rabbit Pellets	G		16.00	2.50	21.00	10.00
	F		19.18	2.65	17.71	9.30
Valley Farm Rabbit Pellets	G		16.00	2.50	21.00	10.00
	F		18.70	3.18	16.07	8.05
<u>Fisher Flouring Mills Company</u>						
<u>Seattle, Washington</u>						
Fisher's All in One Rabbit Ration Pellets	G		15.00	3.00	16.00	9.00
	F		16.52	2.88	14.77	8.35
Fisher's All in One Rabbit Ration Pellets	G		15.00	3.00	16.00	9.00
	F		16.02	2.84	12.33	7.16
Fisher's All in One Rabbit Ration Pellets	G		15.00	3.00	16.00	9.00
	F		16.22	2.76	15.21	7.52
<u>General Mills, Inc.</u>						
<u>Honolulu, Hawaii</u>						
Larro Surerabbit with 2% Bentonite	G		16.00	2.00	19.00	10.00
	F		16.33	2.27	18.12	8.99
Larro Surerabbit with 2% Bentonite	G		16.00	2.00	19.00	10.00
	F		16.02	2.49	16.50	9.77
<u>Hawaiian Commercial and Sugar Company, Ltd.</u>						
<u>Puunene, Maui</u>						
Maui Brand Horse Feed	G		6.50	1.50	12.00	12.00
	F		10.29	2.58	8.32	8.12
Maui Brand Horse Feed	G		6.50	1.50	12.00	12.00
	F		9.50	3.14	9.25	8.46
<u>Pillsbury Mills, Inc.</u>						
<u>Los Angeles, California</u>						
Pillsbury's Best XXXX 16% Rabbit Pellets	G		16.00	2.50	19.00	10.00
	F		16.28	2.21	16.04	9.48
Pillsbury's Best XXXX 16% Rabbit Pellets	G		16.00	2.50	19.00	10.00
	F		16.40	2.60	15.96	8.17
Rabbit Hopper-etts	G		15.00	2.00	20.00	10.00
	F		17.23	2.52	16.93	9.86
Rabbit Hopper-etts	G		15.00	2.00	20.00	10.00
	F		15.50	2.37	16.87	8.33
<u>The Quaker Oats Company</u>						
<u>Chicago, Illinois</u>						
Ful-O-Pep Horse Feed	G		11.50	3.00	11.00	7.00
	F		11.20	3.96	8.92	5.89
Ful-O-Pep Horse Feed	G		11.50	3.00	11.00	7.00
	F		11.60	5.51	8.53	5.04
Ful-O-Pep Medicated Super Greens Pellets (C2D1)	G		20.00	4.00	8.00	9.00
	F		21.08	4.00	5.99	6.64

\* G = guarantee; F = found



Manufacturer and Brand Name	G*	Percent Composition			
	F*	Protein	Fat	Fiber	Ash
Ful-O-Pep Medicated Super Greens Pellets (C2D1)	G	20.00	4.00	8.00	9.00
	F	20.41	6.24	5.95	6.75
Ful-O-Pep Medicated Super Green Pellets (C2D1)	G	20.00	4.00	8.00	9.00
	F	20.63	5.78	6.06	8.33
Ful-O-Pep Medicated Super Green Pellets (C2D1)	G	20.00	4.00	8.00	9.00
	F	20.22	5.79	5.80	8.21
Ful-O-Pep Medicated Super Green Pellets (C2D1)	G	20.00	4.00	8.00	9.00
	F	18.73	5.56	6.08	7.20
Ful-O-Pep Rabbit Ration	G	16.00	2.50	19.00	12.00
	F	15.93	3.30	15.88	8.66
Ful-O-Pep Rabbit Ration	G	16.00	2.50	19.00	12.00
	F	17.03	3.39	17.15	8.22
Ful-O-Pep Super Greens Pellets	G	20.00	4.00	8.00	9.00
	F	20.85	5.35	5.99	8.40
Ful-O-Pep Super Greens Pellets	G	20.00	4.00	8.00	9.00
	F	20.52	5.07	4.53	6.77
Ful-O-Pep Super Greens Pellets	G	20.00	4.00	8.00	9.00
	F	19.69	5.18	5.41	6.97
<u>Ralston Purina Company</u>					
<u>St. Louis, Missouri</u>					
Purina Commercial Rabbit Checkers	G	15.50	1.50	28.00	12.00
	F	15.84	3.60	20.14	8.41
Purina Commercial Rabbit Checkers	G	15.50	1.50	28.00	12.00
	F	15.29	3.38	18.87	10.03

\* G = guarantee; F = found

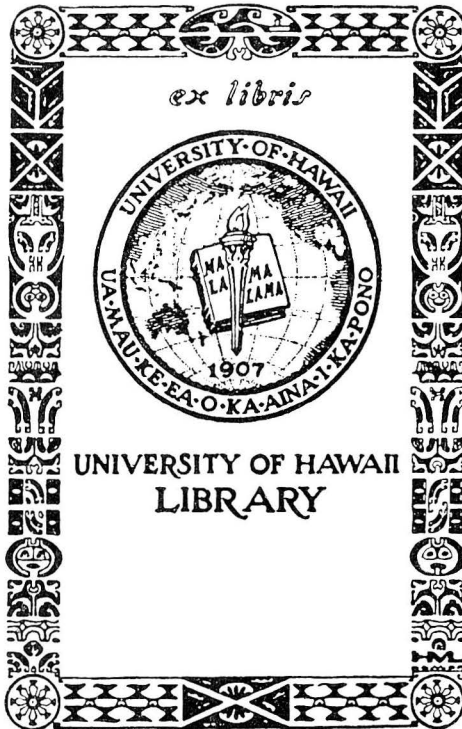
Manufacturer and Brand Name	G*	Percent Composition			
	F*	Protein	Fat	Iodine	Ash

MINERAL FEED

Economy Products  
Shenandoah, Iowa

Economy Special "20"	G	6.00		0.035	
	F	7.01		0.174	57.21

\* G = guarantee; F = found



**UNIVERSITY OF HAWAII  
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HAWAII AGRICULTURAL EXPERIMENT STATION**

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